

STAFFORD COUNTY SCHOOL BOARD

Agenda Consideration

TOPIC: Award of Contract: Domestic
Water Pump - NSHS

ITEM NO.: 3E

PREPARED BY: Quintin Sullivan,
Project Manager/
Clerk of the Works

MEETING: December 13, 2005
ACTION DATE: December 13, 2005

Scott Horan,
Executive Director
Planning & Construction

Andre' A. Nougaret,
Assistant Superintendent
for Support Services

ACTION REQUESTED BY THE SUPERINTENDENT: That the School Board approve the award of a contract in the amount of \$44.7K to AMS Contractors, Inc. of 7211-L Telegraph Square Drive, Lorton, VA for the installation of a domestic water pump (booster) at North Stafford High School.

KEY POINTS:

1. NSHS is experiencing low water pressure at locations throughout the school. The domestic water pressure at NSHS averages at or below 30 pounds per square inch (PSI), which is considered very low. At many locations in the school the water pressure is substantially lower than 30 PSI resulting in sinks and water fountains not functioning properly.
2. Staff reviewed the situation with NSHS administration, SCPS Maintenance Department and our consulting mechanical/electrical/plumbing engineer (Hurd and Obenchain) to determine the root cause. It was determined that during the recent 2003-2005 NSHS renovation project, Stafford County Utilities Department required the installation of a backflow preventer inside the school's water distribution system. The pressure reduction introduced by the backflow preventer helped create the low water pressure condition throughout the school.
3. In July 2005, staff contracted with our consulting engineer to initiate a design to boost the operational water pressure in NSHS to an acceptable level. The design upgrade consisted of two Bell and Gossett water pressure booster pumps (5 horsepower, 150 GPM flow). The system will increase the water pressure throughout the school within the range of 55 PSI. The new design will also add isolation valves to the water supply allowing the pumps to be serviced without shutting down the water supply to the entire facility.

4. In October 2005, staff advertised/bid the project. On November 16, 2005 bids were opened. One bid was received in the amount of \$44.7K from AMS Contractors, Inc. Staff reviewed the bid and found the contractor's bid to be responsible and responsive and recommends awarding the project.

5. If approved by the School Board, we expect to issue notice to proceed to the contractor in December 2005. The project is scheduled to be completed no later than January 31, 2006.

SCHOOL BOARD GOAL: #5 - Provide facilities that promote student learning and community support

#7 - Provide school environments where teachers are safe to teach and students are safe to learn.

FUNDING SOURCE: VPSA – North Stafford High School Renovation Project

AUTHORIZATION REFERENCE: N/A